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## INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

**Note verbale dated 22 December 1997 from the Permanent Mission of the United States of America to the United Nations (Vienna) addressed to the Secretary-General**

The Permanent Mission of the United States of America to the United Nations (Vienna) presents it s compliments to the Secretary-General of the United Nations and, in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space,* has to honour to transmit the registration data for the United States space launches for the period February 1997-June 1997 (see annex).

*See General Assembly resolution 3235 (XXIX), annex, of 12 November 1974.

*Annex**

## REGISTRATION DATA FOR UNITED STATES SPACE LAUNCHES

The following report supplements the registration data for the United States launches as of 28 February 1997. All launches were made from the territory of the United States unless otherwise specified.

| *International designation* | *Date of launch* | *Basic orbital characteristics* | | | | *General function of space objects* |
|---|---|---|---|---|---|---|
| | | *Nodal period (min)* | *Inclination (degrees)* | *Apogee (km)* | *Perigee (km)* | |
| The following objects were launched since the last report and remain in orbit: | | | | | | |
| 1997-007B | 17 February 1997 | 2 066.2 | 23.2 | 94 493 | 226 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1997-008A | 23 February 1997 | 94.0 | 28.6 | 759 | 185 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 1997-008B | 23 February 1997 | 94.0 | 28.6 | 759 | 185 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1997-008C | 23 February 1997 | 94.0 | 28.6 | 759 | 185 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1997-008D | 23 February 1997 | 94.0 | 28.6 | 759 | 185 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |

*The registration data are reproduced in the form in which they were received.

| *International designation* | *Date of launch* | *Basic orbital characteristics* | | | | *General function of space objects* |
|---|---|---|---|---|---|---|
| | | *Nodal period (min)* | *Inclination (degrees)* | *Apogee (km)* | *Perigee (km)* | |
| The following objects not previously reported have been identified since the last report: | | | | | | |
| NONE | | | | | | |
| The following objects not previously reported have been identified since the last report but are no longer in orbit as of 2400Z 28 February 1997: | | | | | | |
| 1994-029AAN | 19 May 1994 | 96.0 | 82.0 | 620 | 519 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| The following objects achieved orbit since the last report but are no longer in orbit as of 2400Z on 28 February 1997: | | | | | | |
| 1997-004A | 11 February1997 | 96.7 | 28.4 | 619 | 586 | Reusable space transportation systems |
| The following objects identified on a previous report are no longer in orbit as of 2400Z on 28 February 1997: | | | | | | |
| 1965-082AZ, 1994-029M, 1994-029AL, 1994-029AN, 1994-029BR, 1994-029DJ, 1994-029PX, 1994-029WU, 1994-029YU, 1994-029ZU | | | | | | |
| The following objects were launched since the last report but did not achieve orbit: | | | | | | |
| NONE | | | | | | |
| Revisions that should be made to previously reported data: | | | | | | |
| NONE | | | | | | |

## REGISTRATION DATA FOR UNITED STATES SPACE LAUNCHES

The following report supplements the registration data for the United States launches as of 31 March 1997. All launches were made from the territory of the United States unless otherwise specified.

| *International designation* | *Date of launch* | *Basic orbital characteristics* | | | | *General function of space objects* |
|---|---|---|---|---|---|---|
| | | *Nodal period (min)* | *Inclination (degrees)* | *Apogee (km)* | *Perigee (km)* | |
| The following objects were launched since the last report and remain in orbit: | | | | | | |
| 1997-011A | 08 March 1997 | 368.9 | 25.8 | 21 158 | 162 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 1997-011B | 08 March 1997 | 368.0 | 26.0 | 21 114 | 154 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| The following objects not previously reported have been identified since the last report: | | | | | | |
| 1994-029AAQ | 19 May 1994 | 102.8 | 82.1 | 1 199 | 633 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1994-029AAS | 19 May 1994 | 98.5 | 82.0 | 803 | 571 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1994-029AAT | 19 May 1994 | 96.6 | 82.0 | 810 | 384 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1994-029AAU | 19 May 1994 | 99.3 | 82.4 | 1 002 | 473 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1994-029AAV | 19 May 1994 | 96.7 | 81.7 | 645 | 572 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |

| *International designation* | *Date of launch* | *Basic orbital characteristics* | | | | *General function of space objects* |
|---|---|---|---|---|---|---|
| | | *Nodal period (min)* | *Inclination (degrees)* | *Apogee (km)* | *Perigee (km)* | |
| The following objects not previously reported have been identified since the last report ( *continued*): | | | | | | |
| 1994-029AAX | 19 May 1994 | 94.3 | 82.0 | 561 | 449 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1994-029AAY | 19 May 1994 | 98.8 | 82.1 | 851 | 561 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1994-029AAZ | 19 May 1994 | 100.0 | 82.4 | 950 | 569 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1994-029ABA | 19 May 1994 | 99.8 | 82.2 | 946 | 561 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1994-029ABB | 19 May 1994 | 99.3 | 81.8 | 896 | 593 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1994-029ABC | 19 May 1994 | 97.9 | 82.1 | 736 | 608 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1994-029ABD | 19 May 1994 | 99.1 | 82.2 | 855 | 579 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1994-029ABE | 19 May 1994 | 98.5 | 82.1 | 820 | 579 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1994-029ABF | 19 May 1994 | 98.8 | 82.1 | 846 | 558 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1994-029ABG | 19 May 1994 | 99.9 | 82.0 | 982 | 569 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1994-029ABH | 19 May 1994 | 99.2 | 81.8 | 906 | 574 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |

| *International designation* | *Date of launch* | *Basic orbital characteristics* | | | | *General function of space objects* |
|---|---|---|---|---|---|---|
| | | *Nodal period (min)* | *Inclination (degrees)* | *Apogee (km)* | *Perigee (km)* | |
| The following objects not previously reported have been identified since the last report but are no longer in orbit as of 2400Z on 31 March 1997: | | | | | | |
| 1994-029AAR | 19 May 1994 | 91.5 | 82.0 | 361 | 333 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1994-029AAW | 19 May 1994 | 90.7 | 81.9 | 319 | 297 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| The following objects achieved orbit since the last report but are no longer in orbit as of 2400Z on 31 March 1997: | | | | | | |
| NONE | | | | | | |
| The following objects identified on a previous report are no longer in orbit as of 31 March 1997: | | | | | | |
| 1990-034C, 1994-029BF, 1994-029CH, 1994-029DA, 1994-DV, 1996-054B, 1994-029PD, 1994-029SC, 1994-029SM, 1994-029TA, 1994-029TH, 1994-029TT, 1994-029UG, 1994-029UV, 1973-086CH | | | | | | |
| The following objects were launched since the last report but did not achieve orbit: | | | | | | |
| NONE | | | | | | |
| Revisions that should be made to previously reported data: | | | | | | |
| NONE | | | | | | |

## REGISTRATION DATA FOR UNITED STATES SPACE LAUNCHES

The following report supplements the registration data for the United States launches as of 30 April 1997. All launches were made from the territory of the United States unless otherwise specified.

| *International designation* | *Date of launch* | *Basic orbital characteristics* | | | | *General function of space objects* |
|---|---|---|---|---|---|---|
| | | *Nodal period (min)* | *Inclination (degrees)* | *Apogee (km)* | *Perigee (km)* | |
| The following objects were launched since the last report and remain in orbit: | | | | | | |
| 1997-012A | 04 April 1997 | 101.9 | 98.9 | 874 | 861 | Spacecraft engaged in practical applications and uses of space technology such as communications |
| 1997-012B | 04 April 1997 | 101.8 | 98.9 | 869 | 862 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1997-012C | 04 April 1997 | 101.9 | 98.9 | 863 | 871 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1997-012D | 04 April 1997 | 101.8 | 98.9 | 862 | 849 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1997-012E | 04 April 1997 | 101.8 | 98.9 | 863 | 847 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1997-018B | 21 April 1997 | 96.1 | 151.0 | 588 | 560 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1997-019A | 25 April 1997 | 1 436.2 | .44 | 42 326 | 163 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 1997-019B | 25 April 1997 | 746.9 | 27.2 | 41 611 | 170 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |

| *International designation* | *Date of launch* | *Basic orbital characteristics* | | | | *General function of space objects* |
|---|---|---|---|---|---|---|
| | | *Nodal period (min)* | *Inclination (degrees)* | *Apogee (km)* | *Perigee (km)* | |
| The following objects not previously reported have been identified since the last report: | | | | | | |
| 1994-029ABJ | 19 May 1994 | 112.9 | 82.0 | 2 141 | 577 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1994-029ABK | 19 May 1994 | 101.5 | 82.6 | 1 068 | 603 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1994-029ABL | 19 May 1994 | 101.3 | 82.1 | 1 031 | 612 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1994-029ABM | 19 May 1994 | 101.9 | 81.1 | 1 105 | 617 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1994-029ABR | 19 May 1994 | 102.2 | 81.8 | 1 115 | 612 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| The following objects not previously reported have been identified since the last report but are no longer in orbit as of 2400Z on 30 April 1997: | | | | | | |
| 1994-029ABP | 19 May 1994 | 94.9 | 81.8 | 540 | 514 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1994-029ABQ | 19 May 1994 | 95.5 | 81.7 | 602 | 490 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1994-029ABS | 19 May 1994 | 98.7 | 82.0 | 818 | 578 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1994-029ABT | 19 May 1994 | 92.5 | 81.8 | 432 | 363 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |

| *International designation* | *Date of launch* | *Basic orbital characteristics* | | | | *General function of space objects* |
|---|---|---|---|---|---|---|
| | | *Nodal period (min)* | *Inclination (degrees)* | *Apogee (km)* | *Perigee (km)* | |
| The following objects achieved orbit since the last report but are no longer in orbit as of 2400Z on 30 April 1997: | | | | | | |
| 1997-013A | 04 April 1997 | 90.6 | 28.4 | 314 | 296 | Reusable space transportation systems |
| The following objects identified on a previous report are no longer in orbit as of 2400Z on 30 April 1997: | | | | | | |
| 1989-089P, 1965-082CG, 1969-082ES, 1963-014DV, 1994-029CA, 1994-029CZ, 1994-029DU, 1994-029NH, 1994-029 PJ, 1994-029PM, 1994-029QD, 1994-029QW, 1994-029RY, 1994-029VJ, 1994-029VX, 1994-029VZ, 1994-029XG, 1994-029YC, 1994-029ZV, 1994-029ZX | | | | | | |
| The following objects were launched since the last report but did not achieve orbit: | | | | | | |
| NONE | | | | | | |
| Revisions that should be made to previously reported data: | | | | | | |
| NONE | | | | | | |

## REGISTRATION DATA FOR UNITED STATES SPACE LAUNCHES

The following report supplements the registration data for the United States launches as of 31 May 1997. All launches were made from the territory of the United States unless otherwise specified.

| *International designation* | *Date of launch* | *Basic orbital characteristics* | | | | *General function of space objects* |
|---|---|---|---|---|---|---|
| | | *Nodal period (min)* | *Inclination (degrees)* | *Apogee (km)* | *Perigee (km)* | |
| The following objects were launched since the last report and remain in orbit: | | | | | | |
| 1997-020A | 05 May 1997 | 100.467 | 86.4 | 780 | 643 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 1997-020B | 05 May 1997 | 100.467 | 86.4 | 780 | 643 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 1997-020C | 05 May 1997 | 100.467 | 86.4 | 780 | 640 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 1997-020D | 05 May 1997 | 100.467 | 86.4 | 780 | 641 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 1997-020E | 05 May 1997 | 100.467 | 86.4 | 780 | 641 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 1997-020F | 05 May 1997 | 100.2 | 86.90 | 951 | 601 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1997-025B | 20 May 1997 | 108.6 | 26.3 | 1 672 | 656 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |

| *International designation* | *Date of launch* | *Basic orbital characteristics* | | | | *General function of space objects* |
|---|---|---|---|---|---|---|
| | | *Nodal period (min)* | *Inclination (degrees)* | *Apogee (km)* | *Perigee (km)* | |
| The following objects were launched since the last report and remain in orbit: | | | | | | |
| 1997-025C | 20 May 1997 | 648.8 | 19.5 | 35 759 | 1 138 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1997-026A | 24 May 1997 | 632.6 | 51.7 | 35 845 | 222 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| The following objects not previously reported have been identified since the last report: | | | | | | |
| 1967-092K | 25 Sept. 1967 | 106.5 | 89.2 | 1 100 | 1 027 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1965-048P | 24 June 1965 | 106.2 | 90.1 | 1 127 | 978 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 1994-029ABU | 19 May 1994 | 104.84 | 81.7 | 1 369 | 605 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| The following objects not previously reported have been identified since the last report but are no longer in orbit as of 2400Z on 31 May 1997: | | | | | | |
| NONE | | | | | | |
| The following objects achieved orbit since the last report but are no longer in orbit as of 2400Z on May 1997: | | | | | | |
| 1997-023A | 15 May 1997 | 92.3 | 51.6 | 399 | 376 | Reusable space transportation systems |
| The following objects identified on a previous report are no longer in orbit as of 2400Z on 31 May 1997: | | | | | | |
| 1989-089V, 1980-089Z, 1989-089BR, 1994-029CM, 1994-29NA, 1994-29PP, 1994-029QU, 1994-029RD, 1994-029RK, 1994-029SZ, 1994-029TW, 1994-029UX, 1994-029XB, 1994-029XP, 1994-029XU, 1994-029AAX | | | | | | |

| *International designation* | *Date of launch* | *Basic orbital characteristics* | | | | *General function of space objects* |
|---|---|---|---|---|---|---|
| | | *Nodal period (min)* | *Inclination (degrees)* | *Apogee (km)* | *Perigee (km)* | |
| The following objects were launched since the last report but did not achieve orbit: | | | | | | |
| NONE | | | | | | |
| Revisions that should be made to previously reported data: | | | | | | |
| NONE | | | | | | |

## REGISTRATION DATA FOR UNITED STATES SPACE LAUNCHES

**The following report supplements the registration data for the United States launches as of 30 June 1997. All launches were made from the territory of the United States unless otherwise specified.**

| *International designation* | *Date of launch* | *Basic orbital characteristics* | | | | *General function of space objects* |
|---|---|---|---|---|---|---|
| | | *Nodal period (min)* | *Inclination (degrees)* | *Apogee (km)* | *Perigee (km)* | |
| **The following objects were launched since the last report and remain in orbit:** | | | | | | |
| **NONE** | | | | | | |
| **The following objects not previously reported have been identified since the last report:** | | | | | | |
| **1994-029ABZ** | **19 May 1994** | **100.1** | **82.1** | **956** | **573** | **Spent boosters, spent maneuvering stages, shrouds and other non-functional objects** |
| **The following objects not previously reported have been identified since the last report but are no longer in orbit as of 2400Z on 30 June 1997:** | | | | | | |
| **NONE** | | | | | | |
| **The following objects achieved orbit since the last report but are no longer in orbit as of 2400Z on 30 June 1997:** | | | | | | |
| **NONE** | | | | | | |
| **The following objects identified on a previous report are no longer in orbit as of 2400Z on 30 June 1997:** | | | | | | |
| **1989-089S, 1994-029BN, 1994-29BU, 1994-29QT, 1994-029QX, 1994-029RZ, 1994-029SY, 1994-029TG, 1994-029WZ, 1994-XF, 1994-029XK, 1994-029ZD** | | | | | | |
| **The following objects were launched since the last report but did not achieve orbit:** | | | | | | |
| **NONE** | | | | | | |
| **Revisions that should be made to previously reported data:** | | | | | | |
| **NONE** | | | | | | |